

Energy Storage Study Update

Joint Legislative Commission on Energy Policy
February 6, 2018



Policy
Collaboratory

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Executive Director

Direction from Legislature

- “Facilitate the dissemination of the policy and research expertise of The University of North Carolina for practical use by state and local government.”
- Coordinate entity-linking expertise of the University to state and local government on natural resource matters.
- Develop and disseminate ‘best practices’, lead or participate in projects, and make recommendations to the General Assembly.

Energy Storage Study

COMPETITIVE ENERGY SOLUTIONS FOR NC *(S257; SL 2017-192)*

PART XII. ENERGY STORAGE STUDY

SECTION 12. The North Carolina Policy Collaboratory (Collaboratory) at the University of North Carolina at Chapel Hill shall conduct a study on energy storage technology. The study shall address how energy storage technologies may or may not provide value to North Carolina consumers based on factors that may include capital investment, value to the electric grid, net utility savings, net job creation, impact on consumer rates and service quality, or any other factors related to deploying one or more of these technologies. The study shall also address the feasibility of energy storage in North Carolina, including services energy storage can provide that are not being performed currently, the economic potential or impact of energy storage deployment in North Carolina, and the identification of existing policies and recommended policy changes that may be considered to address a statewide coordinated energy storage policy. **The Collaboratory shall provide the results of this study no later than December 1, 2018, to the Energy Policy Council and the Joint Legislative Commission on Energy Policy.**

Non-State Funding Threshold

ENERGY STORAGE STUDY *(S257; SL 2017-57)*

SECTION 10.25. If House Bill 589, 2017 Regular Session, becomes law, then the North Carolina Policy Collaboratory (Collaboratory) at the University of North Carolina at Chapel Hill shall study energy storage technology as set forth in that act **if the Collaboratory raises non-State funds of at least seventy-five thousand dollars (\$75,000)** to provide a one-to-one match from challenge grant funds administered by the Office of State Budget and Management as set forth in Section 27.5 of S.L. 2016-94, as amended by this act.

Legislative Mandate

Fundraising Summary

DONOR		PLEDGE	RECEIVED BY UNC CH
Duke Energy		\$15,000	Dec-17
Dominion Energy		\$10,000	Jan-18
ElectriCities		\$5,000	Jan-18
NC Electric Membership Cooperatives		\$10,000	Dec-17
Cypress Creek Renewables		\$5,000	Dec-17
Environmental Defense Fund		\$30,000	Oct-17
Schneider Electric		\$5,000	Oct-17
Trane (Ingersoll Rand)		\$7,500	Oct-17
Lucas Tax & Consulting		\$150	Oct-17
NextEra Energy Resources, LLC		\$7,500	Oct-17
Nelson Mullins Riley & Scarborough, LLP		\$500	Oct-17
Direct Power		\$3,000	Oct-17
Able Grid Technologies		\$10,000	Oct-17
TOTAL		\$108,650	